

Amendments to the Claims:

Claims 1-4 (canceled)

Claim 5 (currently amended): A method for joining a first tube to a member second tube comprising the steps of:

- a) obtaining a first tube having a first flange;
- b) obtaining a member second tube having a second flange;
- c) after steps a) and b), disposing the first tube and the member second tube with the first flange contacting the member second flange either directly or indirectly through an intervening joining material; and
- d) after step c), locally heating the first tube and/or the member second tube proximate the contact of the first flange and the member second flange without substantially heating the first tube and/or the member second tube apart from proximate the contact of the first flange and the member, wherein the member is a second tube second flange.

Claim 6 (previously presented): A method for joining a first tube to a member comprising the steps of:

- a) obtaining a first tube having a flange;
- b) obtaining a member;
- c) after steps a) and b), disposing the first tube and the member with the flange contacting the member either directly or indirectly through an intervening joining material; and
- d) after step c), locally heating the first tube and/or the member proximate the contact of the flange and the member without substantially heating the first tube and/or the member apart from proximate the contact of the flange and the member, wherein the member is a second tube, wherein the second tube has an annular outwardly-extending non-folded end flange, and wherein step c) disposes the first tube and the second tube with the flange of the first tube contacting the end flange of the second tube either directly or indirectly through an intervening joining material.

Claims 7-8 (canceled)

Claim 9 (withdrawn): The method of claim 1, A method for joining a first tube to a member comprising the steps of:

a) obtaining a first tube having a flange;

b) obtaining a member;

c) after steps a) and b), disposing the first tube and the member with the flange

contacting the member either directly or indirectly through an intervening joining material; and

d) after step c), locally heating the first tube and/or the member proximate the contact of

the flange and the member without substantially heating the first tube and/or the member apart

from proximate the contact of the flange and the member, and also including, before step c), the

step of disposing a curable adhesive joining material on the flange and/or the member at the

contact of the flange and the member, and wherein step d) includes locally resistance heating the

adhesive joining material without substantially heating the first tube and/or the member apart

from proximate the contact of the flange and the member.

Claim 10 (withdrawn): The method of claim 9, also including, during step d), the step of applying a force to urge the flange against the member.

Claim 11 (previously presented): A method for joining a first tube to a member comprising the steps of:

a) obtaining a first tube having a flange;

b) obtaining a member;

c) after steps a) and b), disposing the first tube and the member with the flange

contacting the member either directly or indirectly through an intervening joining material; and

d) after step c), locally heating the first tube and/or the member proximate the contact of

the flange and the member without substantially heating the first tube and/or the member apart

from proximate the contact of the flange and the member, wherein step d) includes laser-beam

welding the first tube and/or the member proximate the contact of the flange and the member

without substantially heating the first tube and/or the member apart from proximate the contact of the flange and the member.

Claim 12 (original): The method of claim 11, wherein the flange is a folded flange having spaced-apart first and second fold portions, and also including, during step d), the step of applying a force to relatively move the folded flange deformingly against the member.

Claim 13 (previously presented): A method for joining a first tube to a member comprising the steps of:

a) obtaining a first tube having a flange;
b) obtaining a member;
c) after steps a) and b), disposing the first tube and the member with the flange contacting the member either directly or indirectly through an intervening joining material; and
d) after step c), locally heating the first tube and/or the member proximate the contact of the flange and the member without substantially heating the first tube and/or the member apart from proximate the contact of the flange and the member, wherein step d) includes electron-beam welding the first tube and/or the member proximate the contact of the flange and the member without substantially heating the first tube and/or the member apart from proximate the contact of the flange and the member.

Claim 14 (original): The method of claim 13, wherein the flange is a folded flange having spaced-apart first and second fold portions, and also including, during step d), the step of applying a force to relatively move the folded flange deformingly against the member.

Claims 15-16 (canceled)

Claim 17 (previously presented): A method for joining a first tube to a member comprising the steps of:

a) obtaining a first tube having a flange;
b) obtaining a member;

c) after steps a) and b), disposing the first tube and the member with the flange contacting the member either directly or indirectly through an intervening joining material; and
d) after step c), locally heating the first tube and/or the member proximate the contact of the flange and the member without substantially heating the first tube and/or the member apart from proximate the contact of the flange and the member, also including, before step c), the step of disposing a brazing joining material on the flange and/or the member at the contact of the flange and the member, and wherein step d) includes creating a resistance brazing current path through the first tube and the member proximate the contact of the flange and the member without substantially heating the first tube and/or the member apart from proximate the contact of the flange and the member creating a braze zone which includes at least some of the flange and at least some of the member.

Claim 18 (previously presented): The method of claim 17, wherein the flange is a folded flange having spaced-apart first and second fold portions, and also including, during step d), the step of applying a force to relatively move the folded flange deformingly against the member.

Claim 19 (withdrawn): A method for joining a first tube to a second tube comprising the steps of:

- a) obtaining a first tube having an outwardly-extending folded end flange disposed proximate an end of the first tube;
- b) obtaining a second tube having an outwardly-extending non-folded end flange disposed proximate an end of the second tube;
- c) disposing a curable adhesive joining material on the folded end flange and/or the non-folded end flange;
- d) after steps a) through c), disposing the first tube and the second tube with the end of the first tube disposed within the second tube, and with the curable adhesive joining material disposed between and directly contacting the folded end flange and the non-folded end flange; and
- e) after step d), locally resistance heating the first tube and/or the member proximate the contact of the flange and the member curing the adhesive joining material without substantially

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heating the first tube and/or the member apart from proximate the contact of the flange and the member.

Claim 20 (canceled)